BRUHAT BANGALORE MAHANAGARA PALIKE

e of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

n	**148**	

Providing and laying Cinder concrete in cement 1:15 (1 cement: 15 cinder of 12.5mm nominal gauge) on terraced roof or sunken slabs, laid to slope compacting, including cost of materials, labour, curing complete as per specifications - Second Floor

CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Sec Floor									
Toilet 1		1	2.60	1.00	1.00	1.00	0.35	0.91	
		1	1.27	1.20	1.20	1.20	0.35	0.53	
		1	1.27	1.20	1.20	1.20	0.35	0.53	
Toilet 2		1	2.04				0.35	0.71	
		1	2.80	2.40	2.40	2.40	0.35	2.35	
Toilet 3									
		1	2.45	2.15	2.15	2.15	0.35	1.84	
							Total Qty Work Done	**6.89**	**Cum**
							Qty Payable in this bill	**6.00**	**Cum**

AEE(P)-2 RRN

Contractor Representative

Consultant Representative

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

ue of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

em No: **149**

em me: Providing and laying Cinder concrete in cement 1:15 (1 cement: 15 cinder of 12.5mm nominal gauge) on terraced roof or sunken slabs, laid to slope compacting, including cost of materials, labour, curing complete as per specifications - Third Floor

CHAINAGE / Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Third Floor									
Toilet 1		1	2.60	1.00	1.00	1.00	0.35	0.91	
		1	1.27	1.20	1.20	1.20	0.35	0.53	
		1	1.27	1.20	1.20	1.20	0.35	0.53	
Toilet 2		1	2.04				0.35	0.71	
		1	2.80	2.40	2.40	2.40	0.35	2.35	
Toilet 3									
		1	2.45	2.15	2.15	2.15	0.35	1.84	
							Total Qty Work Done	**6.89**	**Cum**
							Qty Payable in this bill	**6.00**	**Cum**

RR Nagar (P)-2 RRN

Contractor Representative

Consultant Representative

CIVIL QUALITY CONSULTANTS ENGINEERS Bangalore

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

Item No:	150								
Item Name:	Providing INTEGRAL CRYSTALINE Waterproofing treatment to the sunken portion of toilets. Using Crystalline Slurry of approved make @ 1.40 kg per SQM in two coats (0.7 Kg per coat) confirming to ASTM S 1202 & DINV 18998 standards.								
CHAINAGE Land Mark	**NO**	**L (m)**	**B (m)**	**B1 (m)**	**Avg B (m)**	**D (m)**	**QTY**	**REMARKS**
Ground Floor								
Toilet 1	1	2.70	1.10	1.10	1.10	-	2.97	
	1	1.30	1.25	1.25	1.25	-	1.63	
	1	1.30	1.25	1.25	1.25	-	1.63	
Toilet 2	1	2.04						
	1	2.90	2.50	2.50	2.50		7.25	
Toilet 3								
	1	2.45	2.15	2.15	2.15	-	5.27	
First Floor								
Toilet 1	1	2.70	1.10	1.10	1.10	-	2.97	
	1	1.30	1.25	1.25	1.25	-	1.63	
	1	1.30	1.25	1.25	1.25	-	1.63	
Toilet 2	1	2.04						
	1	2.90	2.50	2.50	2.50		7.25	
Toilet 3								
	1	2.45	2.15	2.15	2.15	-	5.27	
Sec Floor								
Toilet 1	1	2.70	1.10	1.10	1.10	-	2.97	
	1	1.30	1.25	1.25	1.25	-	1.63	
	1	1.30	1.25	1.25	1.25	-	1.63	
Toilet 2	1	2.04						
	1	2.90	2.50	2.50	2.50		7.25	
Toilet 3								
	1	2.45	2.15	2.15	2.15	-	5.27	
Third Floor								
Toilet 1	1	2.70	1.10	1.10	1.10	-	2.97	
	1	1.30	1.25	1.25	1.25	-	1.63	
	1	1.30	1.25	1.25	1.25	-	1.63	
Toilet 2	1	2.04						
	1	2.90	2.50	2.50	2.50		7.25	
Toilet 3								

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		1	2.45 2.15 2.15 2.15	5.27	
			Total Qty Work Done	**74.95**	**Sqm**
			Qty Payable in this bill	**74.95**	**Sqm**

AEE(PT)-2 RRN

Contractor Representative

Consultant Representative

QUALITY CONSULTANTS ENGINEERS Bangalore

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

Item No: **151**

Item Name: Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Roof Slab		Third Floor Roof Slab						
Area 1	1	14.83	12.10	12.10	12.10		179.44	
Area 2	1	5.40	1.15	1.15	1.15		6.21	
Area 3	1	7.79	2.50	2.50	2.50		19.48	
Area 4	1	11.95	6.00	6.00	6.00		71.70	
	1	6.00	4.80	4.80	4.80		28.80	
	1	17.30	1.50	1.50	1.50		25.95	
	1	43.05	0.23	0.23	0.23		9.90	
Area 5	1	92.69					92.69	
Area 6	1	12.90					12.90	
Deduction								
Duct	-1	1.5	1.3	1.3	1.3		-1.95	
						Total Qty Work Done	**445.12**	**Sqm**
						Qty Payable in this bill	**445.12**	**Sqm**

AEE(P)-2 RRN

Contractor Representative

Assistant Engineer
RR Nagar (Project)

Consultant Representative

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

	162	

Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick,weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mm x 18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		Basement						
V	17	1.50				0.60	15.30	
V	1	3.50				0.60	2.10	
		Ground Floor						
W	6	2.40				1.80	25.92	
W2	8	1.50				1.80	21.60	
SW	3	2.70				0.60	4.86	
V	5	0.60				0.60	1.80	
	2	0.90				0.75	1.35	
						Total Qty Work Done	**72.93**	**Sqm**
						Qty Payable in this bill	**72.93**	**Sqm**

AEE(P)-2 RRN

Contractor Representative

CIVIL QUALITY CONSULTANTS ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

f Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

163	

KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick,weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mm x 18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws,raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - First Floor

CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		FIRST Floor						
W	2	2.40				1.80	8.64	
W2	6	1.50				1.80	16.20	
SW	3	3.00				0.60	5.40	
V	4	0.60				0.60	1.44	
	2	0.90				0.60	1.08	
						Total Qty Work Done	**32.76**	**Sqm**
						Qty Payable in this bill	**32.76**	**Sqm**

AEE(P)-2 RRN

Contractor Representative

Consultant Representative

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

e of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

	164	

KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick,weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mm x 18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws,raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - Second Floor

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		See Floor						
W	2	2.40				1.80	8.64	
W2	6	1.50				1.80	16.20	
SW	3	3.00				0.60	5.40	
V	4	0.60				0.60	1.44	
	2	0.90				0.60	1.08	
						Total Qty Work Done	**32.76**	**Sqm**
						Qty Payable in this bill	**32.76**	**Sqm**

AEE(P)-2 RRN

Contractor Representative

Consultant Representative

Assistant Engineer

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

Item No:	165	

Item Name: KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick,weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mm x 18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws,raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - Third Floor

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		Third Floor						
W	2	2.40				1.80	8.64	
W2	6	1.50				1.80	16.20	
SW	3	3.00				0.60	5.40	
V	4	0.60				0.60	1.44	
	2	0.90				0.60	1.08	
						Total Qty Work Done	**32.76**	**Sqm**
						Qty Payable in this bill	**32.76**	**Sqm**

Contractor Representative

Consultant Representative

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

AEE(P)-2 RRN

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BRUHAT BANGALORE MAHANAGARA PALIKE

e of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

m o:	167	

m ne: Providing and fixing M.S.grill work for windows and ventilators weighing 21 kg/sqm using M.S. flats, or M.S.square rods, or combination of M.S.flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifictions. Specification No. KBS 7.12 (Considered 18 Kg/sqm)

CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		Sec Floor						
W	2	2.40				1.80	8.64	
W2	6	1.50				1.80	16.20	
SW	3	3.00				0.60	5.40	
V	4	0.60				0.60	1.44	
	2	0.90				0.60	1.08	
		Third Floor						
W	2	2.40				1.80	8.64	
W2	6	1.50				1.80	16.20	
SW	3	3.00				0.60	5.40	
V	4	0.60				0.60	1.44	
	2	0.90				0.60	1.08	
							65.52	
Consider 18 Kg/ sqm							1179.36	
Total Qty Work Done							**1179.36**	**Sqm**
Qty Payable in this bill							**1033.92**	**Sqm**

Contractor Representative

Consultant Representative

CIVIL QUALITY CONSULTANTS Bangalore ENGINEERS

AEE(P)-2 RRN

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

e of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

191

Providing and fixing Stainless steel 304 Grade for staircase railing, Balconys Ramps with hand rails 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges etc., complete as per specification

CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Corridor									
Stiarcase		1	6.10				1.10	6.71	
		2	3.30				1.10	7.26	
FF.		1	19.70				1.10	21.67	
SF		1	19.70				1.10	21.67	
TF		1	19.70				1.10	21.67	
							Total Qty Work Done	78.98	Sqm
							Qty Payable in this bill	75.80	Sqm

Contractor Representative

Assistant Engineer
RR Nagar (Project)

Consultant Representative

Asst.Executive Engineer
RR Nagar (Project)

AEE(P)-2 RRN

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

Item No:	339	
Item Name:	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over 20mm thk 1:4CM, & Jointed with neat cement slurry mixed with pigment to much shade of granite slabs including laying POP on finished surface and cleaning the surface including the cost of all materials and labour etc, complete as per specification.	

CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		Ground Floor						
	1	9.65	8.60	8.60	8.60		82.99	
	1	11.40	8.30	8.30	8.30		94.62	
	1	5.55	8.05	8.05	8.05		44.68	
	1	3.30	4.80	4.80	4.80		15.84	
	1	11.20	5.45	6.10	5.78		64.68	
	1	26.56					26.56	
Area 6	1	5.66					5.66	
Skirting	1	111.63				0.15	16.74	
Deduction								
Toilet 1	-1	2.45	3.60	3.60	3.60		-8.82	
Toilet 2	-1	3.85	2.40	2.40	2.40		-9.24	
		First Floor						
	1	9.65	8.60	8.60	8.60		82.99	
	1	11.40	8.30	8.30	8.30		94.62	
	1	7.95	10.90	10.90	10.90		86.66	
	1	3.30	4.80	4.80	4.80		15.84	
	1	11.20	5.45	6.10	5.78		64.68	
	1	26.56					26.56	
Area 6	1	5.66					5.66	
Skirting	1	111.63				0.15	16.74	
Deduction								
Toilet 1	-1	2.45	3.60	3.60	3.60		-8.82	
Toilet 2	-1	3.85	2.40	2.40	2.40		-9.24	
		Sec Floor						
	1	9.65	8.60	8.60	8.60		82.99	
	1	11.40	8.30	8.30	8.30		94.62	
	1	7.95	10.90	10.90	10.90		86.66	
	1	3.30	4.80	4.80	4.80		15.84	
	1	11.20	5.45	6.10	5.78		64.68	
	1	26.56					26.56	
Area 6	1	5.66					5.66	
Skirting	1	111.63				0.15	16.74	
Deduction								
Toilet 1	-1	2.45	3.60	3.60	3.60		-8.82	
Toilet 2	-1	3.85	2.40	2.40	2.40		-9.24	
		Third Floor						

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	1	9.65	8.60	8.60	8.60		82.99	
	1	11.40	8.30	8.30	8.30		94.62	
	1	7.95	10.90	10.90	10.90		86.66	
	1	3.30	4.80	4.80	4.80		15.84	
	1	11.20	5.45	6.10	5.78		64.68	
	1	26.56					26.56	
Area 6	1	5.66					5.66	
Skirting	1	111.63				0.15	16.74	
Deduction								
Toilet 1	-1	2.45	3.60	3.60	3.60		-8.82	
Toilet 2	-1	3.85	2.40	2.40	2.40		-9.24	
						Total Qty Work Done	**1460.78**	**Sqm**
						Qty Payable in this bill	**1460.78**	**Sqm**

AEE(P)-2 RRN

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

ne of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

m o:	324
m me:	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - 10cms x 7.5cms

CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	4	8.00					32.00	
Total Qty Work Done							**32.00**	**No's**
Qty Payable in this bill							**32.00**	**No's**

AEE(P)-2 RRN

Contractor Representative

Consultant Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

Item No:	325

KSRB 2-2.1: Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m.after breaking of clods complete as per specification. Specification.

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	1	30.00	0.60	0.60	0.60	0.60	10.80	
	1	30.00	0.60	0.60	0.60	0.60	10.80	
	1	30.00	0.60	0.60	0.60	0.60	10.80	
	1	10.00	0.60	0.60	0.60	0.60	3.60	
						Total Qty Work Done	36.00	Cum
						Qty Payable in this bill	36.00	Cum

AEE(P)-2 RRN

Contractor Representative

Consultant Representative

CIVIL QUALITY CONSULTANTS ENGINEERS Bangalore

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

	338								
	Providing & fixing Chorinated Poly Venyl Chloride (CPVC) 20 mm dia pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00m spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and cost of cutting chases and making good the same including testing of joints complete. (concealed work including cutting chases and good the walls								
	20.) - 20mm Dia								
	CHAINAGE Land Mark	**NO**	**L (m)**	**B (m)**	**B1 (m)**	**Avg B (m)**	**D (m)**	**QTY**	**REMARKS**
		4	20.00					80.00	
							Total Qty Work Done	**80.00**	**Rmt**
							Qty Payable in this bill	**80.00**	**Rmt**

AEE(P)-2 RRN

Contractor Representative

Consultant Representative

Bangalore

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

Item No:	327	
Item Name:	Providing and fixing chorinated poly venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (External work) - 20mm Dia	

CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	1	30.00					30.00	
	1	20.00					20.00	
						Total Qty Work Done	50.00	Rmt
						Qty Payable in this bill	50.00	Rmt

AEE(P)-2 RRN

Contractor Representative

Consultant Representative

QUALITY CONSULTANTS Bangalore CIVIL QUALITY ENGINEERS

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

328

Providing and fixing chorinated poly venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (External work) - 25mm Dia

CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	1	30.00					30.00	
	1	30.00					30.00	
	1	30.00					30.00	
	1	30.00					30.00	
	1	30.00					30.00	
						Total Qty Work Done	150.00	Rmt
						Qty Payable in this bill	150.00	Rmt

Checked

AEE(P)-2 RRN

Contractor Representative

Consultant Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

Item No:	329	

Providing and fixing chorinated poly venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (External work) - 32mm Dia

CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	1	30.00					30.00	
	1	30.00					30.00	
	1	30.00					30.00	
	1	30.00					30.00	
	1	30.00					30.00	
	1	30.00					30.00	
	1	20.00					20.00	
						Total Qty Work Done	200.00	Rmt
						Qty Payable Upto 125 % in this bill	62.50	Rmt
						Qty Payable Above 125 % in this bill	137.50	Rmt

AEE(P)-2 RRN

Contractor Representative

Consultant Representative

CIVIL QUALITY CONSULTANTS ENGINEERS Bangalore

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

Item No: **330**

Item Name: Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 32mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. do'- with 32 mm dia (Screwed ends)

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	4						4.00	
							Total Qty Work Done	**4.00**	**No's**
							Qty Payable in this bill	**4.00**	**No's**

Contractor Representative

Consultant Representative

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

AEE(P)-2 RRN

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

Item No:	331	
Item Name:	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	

CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	1						1.00	
						Total Qty Work Done	1.00	Nos
						Qty Payable in this bill	1.00	No's

AEE(P)-2 RRN

Contractor Representative

Consultant Representative

QUALITY CONSULTANTS Bangalore CIVIL ENGINEERS

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

332

Supply, installation, testing and commissioning electrically driven SUBMERSIIBLE pump of capacity 2HP / 1.5 KW with 12 stages Single phase, 50Hz, 400/440V AC supply with necessary non-return valves, butterfly valves,Pressure gauge & Pressure switch with inter-connecting wiring etc., complete as per standard design. (For pumping the domestic water from the underground sump to the overhead water tank). Make/Brand :ATALANTA,SUGUNA, C.R.I.,KIRLOSKAR AND OTHER EQUIVALENT PUMPS...

CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	1						1.00	
							Total Qty Work Done	**1.00**	**No's**
							Qty Payable in this bill	**1.00**	**No's**

AEE(P)-2 RRN

Contractor Representative

Consultant Representative

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

334									
Providing and fixing to wall, ceiling and floor unplasticised 110 mm dia PVC Pipes of 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM of acquirements and testing complete as per specifications - 110 mm Dia									
CHAINAGE	**NO**	**L**	**B**	**B1**	**Avg B**	**D**	**QTY**	**REMARKS**
Land Mark		**(m)**	**(m)**	**(m)**	**(m)**	**(m)**		
110 mm Dia	9	10.00					90.00	
	3	15.00					45.00	
110 mm Dia Rain Water pipes	6	15.00					90.00	
						Total Qty Work Done	**225.00**	**Rmt**
						Qty Payable in this bill	**225.00**	**Rmt**

AEE(P)-2 RRN

Contractor Representative

Consultant Representative

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

335

Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials,with 110mm outer dia

CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
110 mm Dia	1	30.00					30.00	
	1	30.00					30.00	
	1	30.00					30.00	
							Total Qty Work Done	**90.00**	**Rmt**
							Qty Payable Upto 125 % in this bill	**87.50**	**Rmt**
							Qty Payable Above 125 % in this bill	**2.50**	**Rmt**

AEE(P)-2 RRN

Contractor Representative

Consultant Representative

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

3rd And Part bill

336

Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials,with 160mm outer dia

CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
160 mm Dia	1	30.00					30.00	
	1	20.00					20.00	
							Total Qty Work Done	**50.00** Rmt
							Qty Payable in this bill	**50.00** Rmt

AEE(P)-2 RRN

Contractor Representative

Consultant Representative

CIVIL QUALITY CONSULTANTS ENGINEERS Bangalore

A.E.

Assistant Engineer
RR Nagar (Project)

B.K.

Asst.Executive Engineer
RR Nagar (Project)

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